Binding Arguments Exercises

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Generalized predicate

- What is the following code meant to achieve? Why does it not work?

```
bool match(const string& text, const string& value) {
   return text == value;
}
cout << count_if(texts.begin(), texts.end(), match("two")) << endl;
```

- Suggest two different ways it could be made to work as intended

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std::bind()

- Explain what std::bind() does

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Placeholder arguments

- What syntax is used for placeholder arguments?
  - The first argument to the callable object is _1
  - The second argument to the callable object is _2
  - These are defined in the std::placeholders namespace

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std::bind() example

- Rewrite the example from the first slide so that it works correctly, using std::bind()

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Lambda equivalent

- Rewrite the example from the first slide so that it works correctly, using a lambda with capture and a lambda-local variable

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